PERMABOND® SE-30 100 % dimethylpolysiloxane · USP G1 / G2 / G38

Key features

· Nonpolar phase

Temperature

· T_{max} 300 °C (long-term temperature),
T_{max} 320 °C (short-term max. temperature in a temperature program)

Similar phases

· OPTIMA® 1 (see page 310)

Ordering information

PERMABOND® SE-30

	Length → 25 m	50 m
0.25 mm ID (0.4 mm OD)		
0.25 µm film	723052.25	723052.50
0.32 mm ID (0.5 mm OD)		
0.25 µm film	723306.25	
0.50 µm film		723308.50

In addition to this standard program we will be happy to supply columns custom-made to your specifications. Information about scope of delivery, special cages and integrated guard columns see additional information for GC columns on page 303.

PERMABOND® SE-52 5 % phenyl – 95 % dimethylpolysiloxane · USP G27

Key features

· Nonpolar phase

Temperature

· T_{max} 300 °C (long-term temperature),
T_{max} 320 °C (short-term max. temperature in a temperature program)

Similar phases

· OPTIMA® 5 (see page 314)

Ordering information

PERMABOND® SE-52

	Length → 25 m
0.25 mm ID (0.4 mm OD)	
0.25 µm film	723054.25
0.32 mm ID (0.5 mm OD)	
0.25 µm film	723310.25
0.50 µm film	723312.25

In addition to this standard program we will be happy to supply columns custom-made to your specifications. Information about scope of delivery, special cages and integrated guard columns see additional information for GC columns on page 303.

PERMABOND® CW 20 M polyethylene glycol 20 000 Dalton · USP G16

Key features
- Polar phase

Recommended application
- Solvent analysis and alcohols, suitable for aqueous solutions

Temperature
- 0.1–0.32 mm ID: T_{max} 220 °C (long-term temperature), T_{max} 240 °C (short-term max. temperature in a temperature program)
- 0.53 mm ID: T_{max} 200 and 220 °C, resp.

Similar phases
- See OPTIMA® WAX (see page 332)

Ordering information

PERMABOND® CW 20 M

	Length → 10 m	25 m	30 m	50 m	60 m
0.1 mm ID (0.4 mm OD)					
0.10 µm film	723064.10				
0.25 mm ID (0.4 mm OD)					
0.25 µm film	723060.10	723060.25	723060.30	723060.50	723060.60
0.32 mm ID (0.5 mm OD)					
0.25 µm film	723321.10	723321.25	723321.30	723321.50	723321.60
0.35 µm film	723827.10	723827.25		723827.50	
0.50 µm film	723296.10	723296.25	723296.30	723296.50	723296.60
0.53 mm ID (0.8 mm OD)					
0.50 µm film	723515.10	723515.25			
1.00 µm film	723549.10	723549.25	723549.30		
2.00 µm film	723517.10	723517.25	723517.30		

In addition to this standard program we will be happy to supply columns custom-made to your specifications. Information about scope of delivery, special cages and integrated guard columns see additional information for GC columns on page 303.

Further applications can be found online in our application database at *www.mn-net.com/apps*

PERMABOND® FFAP polyethylene glycol 2-nitroterephthalate · USP G35 / close equivalent to G25

Key features
- Polar phase

Recommended application
- FAMEs, free carboxylic acids

Temperature
- 0.1–0.32 mm ID: T_{max} 220 °C (long-term temperature), T_{max} 240 °C (short-term max. temperature in a temperature program)
- 0.53 mm ID: T_{max} 200 and 220 °C, resp.

Similar phases
- See OPTIMA® FFAP (see page 334)

Ordering information

PERMABOND® FFAP

	Length → 10 m	20 m	25 m	30 m	50 m	60 m
0.1 mm ID (0.4 mm OD)						
0.10 µm film	723180.10	723180.20				
0.25 µm film	723181.10					
0.25 mm ID (0.4 mm OD)						
0.10 µm film			723936.25		723936.50	
0.25 µm film	723116.10		723116.25	723116.30	723116.50	723116.60
0.32 mm ID (0.5 mm OD)						
0.10 µm film			723356.25		723356.50	
0.25 µm film			723341.25	723341.30	723341.50	723341.60
0.35 µm film	723830.10		723830.25		723830.50	
0.50 µm film	723344.10		723344.25	723344.30	723344.50	723344.60
0.53 mm ID (0.8 mm OD)						
1.00 µm film	723555.10		723555.25		723555.50	

In addition to this standard program we will be happy to supply columns custom-made to your specifications. Information about scope of delivery, special cages and integrated guard columns see additional information for GC columns on page 303.

Further applications can be found online in our application database at *www.mn-net.com/apps*